



CERTIFICATE

The undersigned, Arlene Powis, Assistant Secretary of SCHLUMBERGER

TECHNOLOGY CORPORATION, a Texas corporation (the "Corporation"), DOES HEREBY
CERTIFY:

- 1) That she is the duly elected and qualified Assistant Secretary of Schlumberger Technology Corporation.
- 2) That by resolution adopted by the Board of Directors of this Corporation on June 24, 1999:

William Batzer was duly appointed Attorney-in-Fact of this Corporation with specific authority to execute and deliver in the name and on behalf of this Corporation patent office documents and trademark office documents and to grant powers of attorney to patent and trademark agents representing the Corporation in the patent offices and trademark offices throughout the world as required to facilitate filing, obtaining, renewing, maintaining, working, opposing and terminating patent and trademark applications and patent and trademark registrations on behalf of the Corporation, and to execute documents which effect the transfer of title or licenses of patents or trademark rights.

- 3) That said appointment has not been rescinded and remains in full force and effect.

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NOV 10 2003
TECHNOLOGY CENTER 2800

In WITNESS WHEREOF, the undersigned has affixed her signature and the corporate seal of Schlumberger Technology Corporation hereto on this 18th day of September 2001.

(S E A L)

Arlene Powis
Arlene Powis
Assistant Secretary